



Material - BS EN 1982 CuSn12Ni2-C (CC484K)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Ingot and Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Aluminium | Al % | 0.010 max. | As-Cast | |
| Iron | Fe % | 0.200 max. | | |
| Manganese | Mn % | 0.200 max. | | |
| Lead | Pb % | 0.300 max. | | |
| Sulphur | S % | 0.050 max. | | |
| Antimony | Sb % | 0.100 max. | | |
| Silicon | Si % | 0.010 max. | | |
| Zinc | Zn % | 0.400 max. | | |
| Silicon | Si % | 0.010 max. | | |
| Zinc | Zn % | 0.500 max. | | |
| Phosphorus | P % | 0.050 - 0.400 | Mechanical Properties Tensile Strength in Mpa 280 min. Yield Strength in Mpa 160 min. Elongation in % 12 min. Reduction of Area in % - Hardness in HBW 85 min. Impact in Joule - | |
| Nickel | Ni % | 1.500 - 2.500 | | |
| Tin | Sn % | 11.000 - 13.000 | | |
| Copper | Cu % | 84.500 - 87.500 | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|-----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CB484K | ONORM | Australia | Ingot and Casting |
| CuSn12Ni2-B | ONORM | Australia | Ingot and Casting |
| CB484K | UNI | Italy | Ingot and Casting |
| CuSn12Ni2-B | UNI | Italy | Ingot and Casting |
| CB484K | DIN | Germany | Ingot and Casting |
| CuSn12Ni2-B | DIN | Germany | Ingot and Casting |
| CuSn12Ni2-B | UNE | Spain | Ingot and Casting |

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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